

Product datasheet for **MC224789**

Als2 (NM_001159948) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Als2 (NM_001159948) Mouse Untagged Clone
Tag: Tag Free
Symbol: Als2
Synonyms: 3222402C23Rik; 9430073A21Rik; Als2cr6; Alsin; mKIAA1563
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224789 representing NM_001159948
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGACTCAAAGAAGAAAAGCTCAACAGAGGCAGAAGGATCCAAAGAAAGAGGCCTAGTCCATGTCTGGC
 AGGCAGGATCCTTTCTCTAACACCAGAGAGGTTGCCAGGCTGGGGTGGAAAGACAGTTCTTCAGGCAGC
 CCTTGGTGTGAGGCATGGAGTTCTCTGACTGAAGATGGTGGGTTCTACAGCTTTGGGACTCTTCCCTGG
 AAAAGTGAATCAGCAGAAATTTGTCCAAGCAGCCCCCTTCTAGAAAGTGCCTGGTTGGGCATCATGTTA
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 GAATGCTGCCGGCAGTGTGCGGTAGCTAACAGCAGTATGTGCCGGAGCCGAGTCTGTGAGCATTCT
 GACTCGGAGACCAGCCGTCATTAGCAGTTAGGATTCTGCAATTGGCATGTGGCGAGGAACACACTGG
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 AGTGCAGCCAGCTGCTCATCACCATGACAGACAAAGAGGACCATGTGATAATATCGGACGCCATTGCTG
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 TGGTGTGAGAGTGGCTGCCACCTATGAAGCTGGGGCTTGTCTCAAGAAAGTTATGAACCTTTACAGC
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TTCTGCCTTCCCTGAGGACAGAGGTGTGGACCTGGGGAAAGGCAAGGAAGGGCAGCTAGGGCACGGCGA
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 TTCCTGAGCTTCTGAGGAGGGCAGCAATTCCTCTTCTGCTCCTCTGCCACTGGAAGGAGATCCTT
 CTGTAAGTGGAAAATCGGATTCCAGATCCGAGTACCAGAACCAGGTTATGATGTAACAAGTTCTGGCTTA
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 AGGAAGACATTTACTGGGAATGTGTGCTTCGACTAAACAAGCAGCCAGATATTGCTCTCTTGGGCTTCT
 TGGAGTACAGAAAAATCTGGCCAGCCACCTTGTCAATCCTTGAGAGAGTAAAAAGGTGTGTCAACC
 ACAAGGATGCTTGTCTTGCATCTGCAGTAGAATGCCTGCAGCAGATCAGCACAACTTTACTCCATCAG
 ACAAGCTTAAAGTGATCCAGCAGACCTTGAAGAGATCTCCAGAGTGTCTTGCATCGTGCAGGAGGA
 CTTCTCTGGTCCATGGATGACTTGTTCCTCCGCTTCTTATACGTGGTGTGCGGGCCAGGATTCGGAAC
 TTGGGCTCTGAAGTTCACCTCATTGAGGATCTGATGGACCCCTTCTCCAGCATGGGGAACAAGGCATCA
 TGTTACCACCTTGAAGGCTGTACTTCCAGATTCAGCGGGAGAAGCTTAAC**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001159948
Insert Size:	4956 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001159948.2</u> , <u>NP_001153420.2</u>
RefSeq Size:	6681 bp
RefSeq ORF:	4956 bp
Locus ID:	74018
UniProt ID:	<u>Q920R0</u>
Cytogenetics:	1 C1.3
Gene Summary:	May act as a GTPase regulator. Controls survival and growth of spinal motoneurons. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 3 both encode the same protein.